



RhinoROC®
Steel Cement Filled Panel



Perf 800/1000

Airflow Panel

RhinoROC® airflow panels are manufactured from structural steel technology makes the size and thickness same as Roc covered panels but light weight. The top surface of the panel is laminated with anti-static HPL or conductive vinyl tiles with numbers of different airflow rates, this resistance welded all-steel panels are the premier choice for computer rooms and data centers.

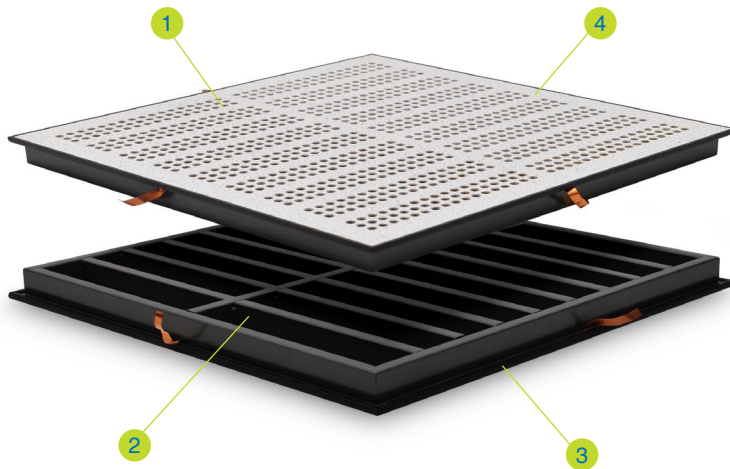
RHINO®
Strive for perfection!

Technical Data Sheet

RhinoROC® Airflow



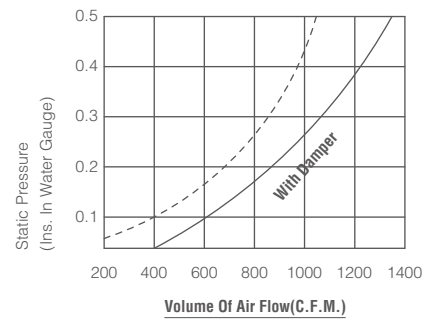
Panel



- 1 Airflow Rates**
Rates: 15%, 20%, 25%
30%, 35%, 45%
- 2 Bottom Structure**
Thickness: 2.0 mm
Material: Steel rectangular tube welded
- 3 Top Steel-plate**
Thickness: 2.0/2.5 mm
Material: Cold rolled steel sheet
- 4 Finish**
Thickness: Various
Material: Bare, Anti-static HPL, Conductive Vinyl

Description

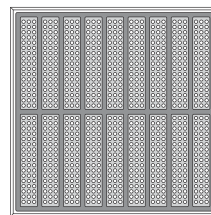
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Features

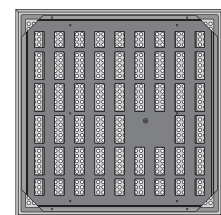
- All-steel structural design
- 90% recyclable
- Light weight easy install and removal
- Powder-coated, protective epoxy finish
- Fully interchangeable with other Roc panels

Without Damper



Recommended open rates:
15%, 20%, 25%

With Damper



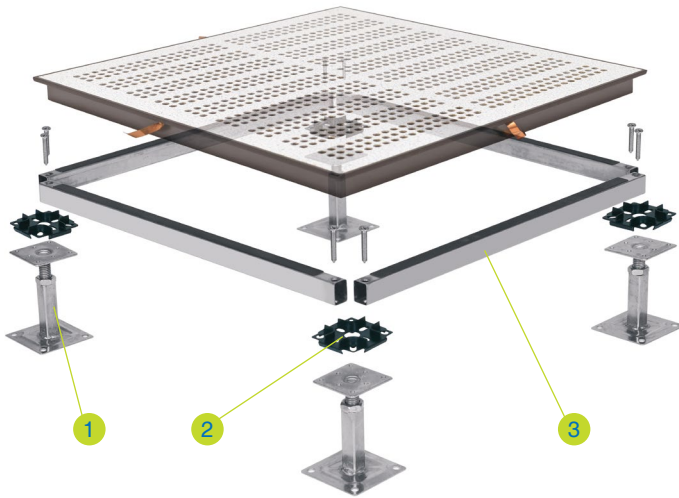
Recommended open rates:
30%, 35%, 45%

Panel Type	Panel Size	Core Material	Panel Construction	Panel Thickness (Nominal)	System Weight (Typical)
Perf 800	600mm square	2.00 mm	Cold rolled steel welded	35.00 mm	28 kg/m ²
Perf 1000	600mm square	2.50 mm	Cold rolled steel welded	35.00 mm	34 kg/m ²

Technical Data Sheet

RhinoROC® Airflow

System



1 Standard Pedestal

Electro-galvanized steel made pedestal is suitable for raised floors with a finished floor height from 150mm to 1800mm. Zinc whisker free is available for special order.
Material: Steel, Galvanized & blue

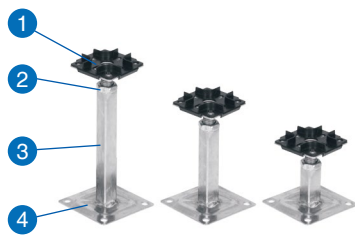
2 Head Gasket

Plastic conductive material with sound proofing and sealing functions, equipped with tabs for the positioning of panels.
Thickness: 2.0mm

3 Stringer

Steel tube performed stringer with plastic gasket on top provide best supports to the structural system with limited air leakage and outstanding acoustic performance.
Dimension: 568mm(L) x 21mm(W) x 32mm(H)

Pedestal



1 Pedestal Head

Head plate: 76x76x4.0mm
Thread Rod: M19 with anti-rotation tabs

2 Adjusting Nut

M19 with vibration proof locking device

3 Base Tube

□22x1.5mm sq.
tube arch welded to base plate

4 Base Plate

100x100x2.0mm

Performance

- This bolted stringer system is tested in accordance with USA CISCA specification.
- Panel deflection at centre edge must not exceed 2.5mm
- Performance to a safety factor of 2 x static load
- Structural performance based upon a full Rhino access floors system i.e. panels & pedestals.



Panel Type	Understructure	Performance Grades	Static Loads			Rolling Loads		Airflow (CFM)	
			Concentrated Load	Ultimate Load (Safety Factor* 2.0)	Uniform Load	10 Passes	10,000 Passes	0.05" H ₂ O	0.10" H ₂ O
Perf 800	Bolted Stringer	Medium Duty	800 lbs 3.56 kN	1,600 lbs 7.12 kN	200 lbs/ft ² 10 kN/m ²	Not Recommended		550	800
Perf 1000	Bolted Stringer	Heavy Duty	1,000 lbs 4.45 kN	2,000 lbs 8.90 kN	250 lbs/ft ² 12 kN/m ²	Not Recommended		550	800

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